



PCA-200E for DEC Alpha

Release Notes

Software Version 4.0

MANU0128-01
Rev. A - 09/30/96

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1.0 Purpose of the Release Notes

These notes describe the hardware and software features of the PCA-200E Adapter for DEC Alpha.

2.0 Supported Operating Systems, Architectures, Hardware

- To ensure proper operation of UNIX adapters in networks with switches running ForeThought 4.0.2, UNIX adapters currently running with ForeThought 2.x or earlier should be upgraded to run ForeThought 4.0.2
- When using LAN emulation, the ForeThought 4.0.2 adapter software requires that ForeThought 4.0.2 software also be running on the switch or SunOS workstation in your network that is providing the LAN Emulation Services.

Operating Systems: Digital UNIX 4.0

Architectures: AlphaStation 200 and 250, 255, 400, and 600 series; AlphaServer 1000, 2000, 2100; Digital AlphaServer 8200, 8400

3.0 List of Features in the Product

- LAN Emulation 1.0 Support for FORE ATM adapter family. (This software is in compliance with ATM Forum LAN Emulation 1.0 specification.)
- Easy installation, allowing new users to "plug and play"
- Supports ATM Forum's LAN Emulation 1.0 specification
- Supports UNI 3.0 Signaling
- Supports UNI 3.0 ILMI Address Registration
- Support for FORE's emulated LAN failover mechanism, allowing a user to remain connected to a network even if one set of LAN Emulation services disappears
- Supports IP Multicasting for DEC Alpha 4.0

4.0 Known Issues or Concerns

- Digital UNIX has a built-in limit on the number of networking interfaces that may be added during a single boot lifetime. This number is currently 255 and includes every networking interface on the system (loopback, SLIP, Ethernet, etc.). The limit of 255 interface adds is NOT enforced by the operating system and, if exceeded, will result in a system panic. This limit is strictly related to interface adds. Adding an interface, deleting it, then re-adding it counts as two adds.

To help avoid exceeding this operating system limit, FORE's software limits (to 200) the number of times 'elconfig add' may be used during a single boot lifetime. Attempting to exceed the limit of 200 results in subsequent adds being refused. In this case, elconfig will generate the following message:

```
elconfig: Number of allowable ELAN/interface adds exceeded.
```

- The select(2) system call is currently unsupported for FORE System's API socket descriptors.
- Use of the ATM interface as a router for Classical IP is not recommended.

5.0 Contacting Technical Support

In the USA, you can contact FORE Systems' Technical Support by any one of four methods:

1. If you have access to the Internet, you may contact FORE Systems' Technical Support via e-mail at the following address:

support@fore.com

2. You may FAX your questions to "support" at:

412-933-3416

3. You may send questions, via US Mail, to the following address:

**FORE Systems, Inc.
174 Thorn Hill Road
Warrendale, PA 15086-7535**

4. You may telephone your questions to "support" at:

1-800-671-FORE

Technical support for non-U.S.A. customers should be handled through your local distributor.

No matter which method is used for technical support, please be prepared to provide the serial number(s) of the product(s) and as much information as possible describing your problem/question.